Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Tuesday 18 Apr 2023 until 23:59 on Wednesday 19 Apr 2023

Forecast Issued on Monday 17 Apr 2023 at 16:46

Confidence: High confidence for largely dry, but rather cool and occasionally windy conditions in the coming days. Lower confidence for precipitation detail from Thursday.

Headline for Tuesday 18 Apr 2023: Dry and sunny after a largely cloudy start. Rather windy, especially at height.

Mountain weather hazards on Tuesday 18 Apr 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** High Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
FOG	FOG	FOG					
Fog	Fog	Fog	Sunny intervals	Sunny intervals	Sunny	Sunny	Partly cloudy (night)
Precipitation probability							
<05%	10%	10%	<05%	<05%	<05%	<05%	<05%

Forecast for Tuesday 18 Apr 2023

Weather: Widespread low cloud or fog affecting mainly central and eastern hills during the morning, giving a very slight chance of some drizzle first thing. Low cloud lifting and clearing in the hours after dawn to leave a dry and largely sunny day, but with a strengthening easterly breeze. Remaining dry into the evening, some patchy cloud perhaps on high summits by very late evening.

Chance of cloud-free hill tops above 600m: 30% in the east, 60% in the west at first. Increasing to greater than 95% everywhere from late morning. 60% in the east by very late evening.

Low cloud and visibility: Extensive low cloud or fog banks covering central and eastern hills in particular early morning (bases generally 300-500m), but higher peaks perhaps just above the cloud. Periods of cloud with bases 300-500m in the east of the park by very late evening. Very good visibility outside of cloud, with a slight haze.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Met Office Mountain Weather Forecast

Forecast for Tuesday 18 Apr 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/19 E	16/21 E	18/23 E	20/27 E	20/28 E	22/31 E	22/32 E	23/32 E	22/32 E
300	9/14 NE	12/20 NE	9/14 NE	13/18 NE	19/29 E	18/28 E	15/25 NE	13/20 NE	13/20 NE
Valley	11/23 E	11/24 E	9/20 E	11/21 E	16/30 E	14/28 E	11/25 E	11/26 E	13/27 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/0	2/-3	2/-3	4/-2	7/3	8/3	6/1	2/-4	2/-4
300	6/3	4/-0	4/1	7/4	10/6	11/7	8/5	5/1	5/0
Valley	6/2	5/1	5/2	8/6	12/9	12/10	10/7	6/2	5/1
Freezing Level*	1200m	1300m	1300m	1000m	1200m	1100m	1000m	900m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Low cloud especially covering central and eastern slopes may make for difficult navigation during any early ascents until mid-late morning, when cloud is expected to lift and clear. Despite the strong sunshine (sunscreen required) the strength of the wind will make 'feels like' temperatures around freezing for much of the day on the highest ground in the park. The 'wind chill' effect worsens through the evening. With strengthening winds there will be widespread buffeting on higher areas as well as exposed ridges.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Mon 17 Apr 2023	0.4mm	0.4mm	7.2mm

Forecast for Wednesday 19 Apr 2023

Weather: Becoming mostly cloudy overnight, but remaining dry. Largely cloudy early morning with a slight chance of a few spots of rain, then dry and increasingly sunny by the afternoon. Very blustery with a significant wind chill.

Maximum wind: Easterly 30-35mph, with gusts 45-50mph possible on major summits and some downslope valleys.

Chance of cloud-free hill tops above 600m: 30% in the morning in central and eastern areas, 70% in the west, increasing to greater than 95% everywhere by the afternoon.

Low cloud and visibility: Widespread low cloud affecting mainly central and eastern slopes in the morning, with bases varying 300-500m. Cloud lifting clear of summits by late morning and tending to thin and break up into the afternoon. Visibilities generally good, with a slight haze.

Temperature: **Valleys:** Plus 3 Celsius increasing Plus 11 Celsius.
At 600m: Plus 3 Celsius increasing Plus 8 Celsius.
Freezing level: Above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.